## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2003-149441

(43) Date of publication of application: 21.05.2003

(51)Int.Cl.

G02B 5/30 B29C 65/48 C08F220/30 C08J 7/04 G02F 1/1335 G02F 1/13363 //(C08F220/30 C08F220:32 C08L101:00

(21)Application number : **2001-349710** 

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(22)Date of filing:

15.11.2001

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## (54) PHASE DIFFERENCE PLATE, METHOD FOR MANUFACTURING THE SAME, AND **OPTICAL FILM**

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a phase difference plate in which the phase difference in the thickness direction can be controlled in a wide range.

SOLUTION: The phase difference plate is obtained by laminating and integrating a homeotropic alignment liquid crystal film and a stretched film having a phase difference function. The homeotropic alignment film is formed by using a homeotropic alignment liquid crystal composition containing a side-chain liquid crystal polymer showing homeotropic alignment property or the side chain liquid crystal polymer and a photopolymerizable liquid crystal compound.

## LEGAL STATUS

[Date of request for examination]

13.11.2003

Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]